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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/035,649	12/28/2001	Mika H. Laaksonen	NOKI14-00016	4125
30973	7590	11/15/2004	EXAMINER	
SCHEEF & STONE, L.L.P. 5956 SHERRY LANE SUITE 1400 DALLAS, TX 75225			DO, ANH HONG	
			ART UNIT	PAPER NUMBER
			2624	

DATE MAILED: 11/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.		Applicant(s)	
	10/035,649		LAAKSONEN, MIKA H.	
	Examiner		Art Unit	
	ANH H DO		2624	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/28/2001</u> . | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

2. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

3. The abstract of the disclosure is objected to because it repeats information given in the title and contains form and legal phraseology. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Morein (U.S. Patent No. 6,452,602) in view of Johns (U.S. Patent No. 6,366,289).

Regarding claim 1, Morein discloses:

- dividing an image into a plurality of image data blocks (col. 3, lines 25-26, teaching dividing a texture map (i.e., an image) into a plurality of data blocks);
- compressing each of image data block separately (Fig. 4: step 402);
- storing the compressed image data blocks in a data storage means (Fig. 4: step 404);
- selecting at least one of the image data blocks to fetched from the data storage means (Fig. 4: steps 408 and 410, showing selecting at least one of the image data blocks to fetched from the data storage means by receiving and address corresponding to the data block to be fetched and determining a first group that includes a compressed data set corresponding to the data block to be fetched);
- fetching said selected at least one image data block from the data storage means (Fig. 4: step 416);
- decompressing said at least one fetched image data block (Fig. 4: step 420).

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Morein does not disclose expressly displaying an image based on image data included in the decompressed at least one image data block.

Johns discloses displaying an image based on image data included in the decompressed at least one image data block (Fig. 3: display 334 for displaying an image based on image data included in the decompressed at least one image data block from decompressor 332 via compositor 330).

Morein & Johns are combinable because they are from image compression.

At the time of the invention, it would have been obvious to a person of ordinary skill in the art to employ the display in Morein as taught by Johns.

The suggestion/motivation for doing so would have been to manage a display image, used to refresh the display screen, as well as other "off-screen" images that may or may not be visible on the screen (Johns, col. 2, lines 55-58).

Therefore, it would have been obvious to combine Morein with Johns to obtain the invention as specified in claim 1.

Regarding claim 18, since it is an apparatus claim corresponding to method claim 1, the discussion of claim 1 applies hereto.

Regarding claims 2 and 19, Morein teaches adjusting the size of image data to be displayed by a controller, which selects image data block (col. 6, lines 46-50).

Regarding claim 3, Johns implicitly teaches the initial compressed data remains substantially unchanged during the display procedure (col. 8, lines 26-

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28, teaching a display controller for refreshing the display screen from the primary display image (i.e., maintaining display image unchanged).

Regarding claims 4 and 20, Johns teaches displaying a preview of the stored image and selecting the image data block based on said preview (col. 8, lines 26-37, teaching a display controller for refreshing the display screen from the primary display image (i.e., displaying a preview, and a compositor 330 for selecting the display image data block).

Regarding claim 5, Morein teaches decompressing image data before selecting an image data block to be fetched (Fig. 1: decompression block 40 for decompressing image data block before controller 30 selects an image data block to be fetched to data cache 50).

Regarding claims 6 and 21, Johns teaches selecting image data blocks based on suggestion by a selection software run on a controller of a display device (Fig. 3: display controller 302 selecting image data blocks based on suggestion by a selection software run on a CPU 308).

Regarding claims 7 and 22, Morein teaches image data blocks is provided with an identifier and the selection and fetching of the blocks is based on said block identifier (Fig. 4: steps 408 and 412, showing the descriptor (i.e., an identifier) for each of image data blocks and the selection and fetching of the blocks is based on said block descriptor).

Regarding claim 8, Morein teaches storing image data blocks in the same order as they are positioned in the original image (Fig. 1 showing the storing of

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image data sets in the memory in the same order as they are positioned in the original image).

Regarding claims 9-13 and 23, Morein teaches the compressed image data blocks are stored in an image data field (i.e., image data group) of an image storage unit and information associated with the selection of image data blocks (i.e., data descriptor sets) is stored in another field of image data storage unit, wherein the at least one image data block is selected based on said information (Fig. 1).

Regarding claims 14 and 24, Johns teaches storing image data in a lossy format (col. 17, lines 54-56, teaching lossy compression for storing).

Regarding claim 15, Johns teaches a JPEG file (col. 20, lines 19-22).

Regarding claims 16, 25 and 26, John shows a display device 47 for displaying the image (Fig. 1).

Regarding claim 17, Johns teaches the image data from remote computer 49 is transmitted to the display device 47 over a wireless interface (Fig. 1).

Regarding claim 27, Johns shows a mobile station 49 (Fig. 1).

Regarding claim 28, Johns teaches a digital camera (col. 7, lines 39-42, teaching a camera from which video data is sent to a memory for display or compositing).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANH H DO whose telephone number is 703-308-6720. The examiner can normally be reached on 5/4-9.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID K MOORE can be reached on 703-308-7452. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

November 12, 2004.



ANH HONG DO
PRIMARY EXAMINER